

We claim:

1. An electronic display for presenting airspeed data of an aircraft, wherein said display comprises:
  - an electronic airspeed tape having a nonlinear scale,
  - wherein said nonlinear scale on said electronic airspeed tape emulates the view of a mechanical drum gauge; and
  - wherein a scroll of said electronic airspeed tape maintains said nonlinear scale on said display.
2. The electronic display of claim 1, wherein said airspeed data of an aircraft is centered on a showing of said nonlinear scale on said display.
3. The electronic display of claim 1, wherein said display is configured to emulate the view of a mechanical drum gauge in units of knots.
4. The electronic display of claim 3, wherein said airspeed data of an aircraft is centered on a showing of said nonlinear scale of 140 knots on said display.
5. The electronic display of claim 1, further comprising an indicated airspeed window showing the current airspeed of said aircraft.
6. The electronic display of claim 5, wherein said indicated airspeed window is comprised of a shaped pointer.
7. The electronic display of claim 5, wherein said indicated airspeed window is comprised of an enlarged display of at least a portion of said electronic airspeed tape.
8. The electronic display of claim 5, wherein said indicated airspeed window is comprised of a black background.

9. The electronic display of claim 1, wherein said nonlinear scale is configurable from a lower limit to an upper limit.
10. The electronic display of claim 9, wherein said lower limit is fixed.
11. The electronic display of claim 9, wherein said upper limit is fixed.
12. The electronic display of claim 9, wherein said lower limit is 0 (zero) knots.
13. The electronic display of claim 9, wherein said configurable lower limit is bounded by 0 (zero) to 100 (one hundred) knots.
14. The electronic display of claim 9, wherein said upper limit is 999 knots.
15. An electronic display for presenting altitude data of an aircraft, wherein said display comprises:
  - an electronic altitude tape having a nonlinear scale,
  - wherein said nonlinear scale on said electronic altitude tape emulates the view of a mechanical drum gauge; and
  - wherein a scroll of said electronic altitude tape maintains said nonlinear scale on said display.
16. The electronic display of claim 15, wherein said altitude data of an aircraft is centered on a showing of said nonlinear scale on said display.
17. The electronic display of claim 15, wherein said display is configured to emulate the view of a mechanical drum gauge in units of feet.
18. The electronic display of claim 17, wherein said altitude data of an aircraft is centered on a showing of said nonlinear scale of 1,200 (one thousand and two hundred) feet of altitude on said display.

19. The electronic display of claim 15, wherein said display is configured to emulate the view of a mechanical drum gauge in units of meters.
20. The electronic display of claim 19, wherein said altitude data of an aircraft is centered on a showing of said nonlinear scale measured in meters approximately equivalent to 1,200 feet of altitude on said display.
21. The electronic display of claim 15, wherein display is configurable to emulate the view of a mechanical drum gauge in units of feet or in units of meters
22. The electronic display of claim 15, further comprising an indicated altitude window showing the current altitude of said aircraft.
23. The electronic display of claim 22 wherein said indicated altitude window is comprised of an enlarged display of at least a portion of said electronic altitude tape.
24. The electronic display of claim 22, wherein said indicated altitude window is comprised of a numeric display of the current altitude of said aircraft.
25. The electronic display of claim 24, wherein said numeric display is an electronic emulation of a mechanical rolling numeric display.
26. The electronic display of claim 22, wherein said indicated altitude window is comprised of a black background.
27. An electronic display for presenting heading data of an aircraft, wherein said display comprises:
  - an electronic heading tape having a nonlinear scale,
  - wherein said nonlinear scale on said electronic heading tape emulates the view of a mechanical drum gauge; and

wherein a scroll of said electronic heading tape maintains said nonlinear scale on said display.

28. The electronic display of claim 27, wherein said electronic heading tape emulation of the view of a mechanical drum gauge is comprised of text markings of "N", "W", "S", and "E" at 360°, 270°, 180°, and 90° headings, respectively.
29. The electronic display of claim 27, further comprising a heading window showing the current heading of said aircraft.
30. The electronic display of claim 29, wherein said current heading of said aircraft is selected from the group consisting of true heading and magnetic heading.
31. The electronic display of claim 29, wherein said showing the current heading of said aircraft is comprised of a "T" to indicate a display of true heading of said aircraft.
32. The electronic display of claim 29, wherein said heading window is comprised of a shaped pointer.
33. The electronic display of claim 29, wherein said heading window is comprised of an enlarged display of at least a portion of said electronic heading tape.
34. The electronic display of claim 29, wherein said heading window is comprised of a numeric display of the current heading of said aircraft.
35. The electronic display of claim 29, wherein said heading window is comprised of a black background.
36. An electronic display for presenting data of an aircraft, wherein said display comprises:  
an electronic tape having a nonlinear scale,

wherein said nonlinear scale on said electronic tape emulates the view of a mechanical drum gauge; and

wherein a scroll of said electronic tape maintains said nonlinear scale on said display.

37. The electronic display of claim 36, further comprising a window showing the current data of said aircraft.
38. The electronic display of claim 37, wherein said window is comprised of a shaped pointer.
39. The electronic display of claim 37, wherein said window is comprised of a numeric display of the current data of said aircraft.
40. The electronic display of claim 37, wherein said window is comprised of a black background.